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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Wed Jun 06 13:00:52 EDT 2007

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Reviewer Comments:

Seq Id 15,16,17 has an invalid response for <213>. If <213> responses
are Aritificial or Unknown please give the source of genetic material.
The response mentioned is not sufficient.

Application No: 10077624 Version No: 2.0

Input Set:**Output Set:**

Started: 2007-06-05 17:45:55.806
Finished: 2007-06-05 17:45:57.165
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 359 ms
Total Warnings: 31
Total Errors: 0
No. of SeqIDs Defined: 31
Actual SeqID Count: 31

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

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Output Set:

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Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Shi, Wenyuan

Morrison, Sherie

Trinh, Kham

Wims, Letitia

Chen, Li

Anderson, Maxwell

Qi, Fengxia

<120> ANTI-MICROBIAL TARGETING CHIMERIC PHARMACEUTICAL

<130> 59157.8007.US01

<140> 10077624

<141> 2002-02-14

<150> US 09/910,358

<151> 2001-07-19

<150> US 09/378,577

<151> 1999-08-20

<160> 31

<170> PatentIn version 3.1

<210> 1

<211> 563

<212> DNA

<213> Artificial sequence

<220>

<223> Synthesized using sequential PCR techniques

<400> 1

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accactcgca cagaggatac tctggtggcg gtggctcggg cggaggtggg tcgggtggcg	180
gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggaggggtccc	240
tgaaactctc ctgtgcagcc tctggattca ctttcagtag ctataccatg tcttgggttc	300
gccagactcc ggagaagagg ctggagtggg tcgcatccat tagtagtggg ggtacttaca	360
cctactatcc agacagtgtg aagggccgat tcaccatctc cagagacaat gccaagaaca	420
ccctgtacct gcaaagacc agtctgaagt ctgaggacac agccatgtat tactgttcaa	480
gagatgacgg ctccacggc tcctattact atgctatgga ctactggggg caaggaacct	540
cagtcaccgt ctcttcagct agc	563

<210> 2
 <211> 24
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthesized using sequential PCR techniques

 <400> 2

 Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
 1 5 10 15

 Lys His His Ser His Arg Gly Tyr
 20

 <210> 3
 <211> 16
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthesized using sequential PCR techniques

 <400> 3

 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 1 5 10 15

 <210> 4
 <211> 165
 <212> PRT
 <213> Artificial sequence

 <220>
 <223> Synthesized using sequential PCR techniques

 <400> 4

 Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
 1 5 10 15

 Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser Gly Gly
 20 25 30

 Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly
 35 40 45

 Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala
 50 55 60

Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr
65 70 75 80

Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr
85 90 95

Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
100 105 110

Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser
115 120 125

Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly
130 135 140

Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
145 150 155 160

Val Ser Ser Ala Ser
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<210> 5
<211> 533
<212> DNA
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

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tccagtgtaa gcggctgttt aaggagctca agttcagcct gcgcaagtac tctggtggcg 120
gtggctcggg cggaggtggg tcgggtggcg gcggatccga cgtgaagctt gtggagtctg 180
ggggaggctt agtgaaccct ggaggggtccc tgaaactctc ctgtgcagcc tctggattca 240
ctttcagtag ctataccatg tcttgggttc gccagactcc ggagaagagg ctggagtggg 300
tcgcatccat tagtagtggt ggtacttaca cctactatcc agacagtgtg aagggccgat 360
tcaccatctc cagagacaat gccaagaaca ccctgtacct gcaaatgacc agtctgaagt 420
ctgaggacac agccatgtat tactgttcaa gagatgacgg ctccctacggc tcctattact 480
atgctatgga ctactggggg caaggaacct cagtcaccgt ctcttcagct agc 533

<210> 6
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 6

Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr
1 5 10

<210> 7
<211> 155
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 7

Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val
20 25 30

Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu
35 40 45

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met
50 55 60

Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser
65 70 75 80

Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly
85 90 95

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
100 105 110

Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg
115 120 125

Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly

130

135

140

Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
145 150 155

<210> 8
<211> 89
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 986

<400> 8
caccactcgc acagaggata ctctggtggc ggtggctcgg gcggagggtgg gtcgggtggc 60

ggcggatccg acgtgaagct tgtggagtc 89

<210> 9
<211> 84
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 987

<400> 9
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aagcaccact cgcacagagg atac 84

<210> 10
<211> 74
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 988

<400> 10
gatatccacc atggacttcg ggttgagctt ggttttcctt gtccttactt taaaagggtgt 60

ccagtgtgat agcc 74

<210> 11
<211> 87
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 989

<400> 11
gttcagcctg cgcaagtact ctggtggcgg tggctcgggc ggaggtgggt cgggtggcgg 60

cggatccgac gtgaagcttg tggagtc 87

<210> 12
<211> 69
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 990

<400> 12
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cgcaagtac 69

<210> 13
<211> 65
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 991

<400> 13
ggatatccac catggacttc gggttgagct tggttttcct tgtccttact taaaaggtg 60

tccag 65

<210> 14
<211> 39
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 452

<400> 14
tgggtcgacw gatggggstg ttgtgctagc tgaggagac 39

<210> 15
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Protegrin PG-1

<400> 15

Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val

1 5 10 15

Gly Arg

<210> 16
<211> 57
<212> DNA
<213> Artificial sequence

<220>
<223> Protegrin PG-1

<400> 16
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<210> 17
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Novispirin G10

<400> 17

Lys Asn Leu Arg Arg Ile Ile Arg Lys Gly Ile His Ile Ile Lys Lys
1 5 10 15

Tyr Gly

<210> 18
<211> 36
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 1

<400> 18
ggtggttgct cttccaacag gggaggtcgc ctgtgc 36

<210> 19
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 2

<400> 19
ccggatcctc gtccgacaca gac 23

<210> 20
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 3

<400> 20
ggggatccgg tggcggtggc tcg 23

<210> 21
<211> 26
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 4

<400> 21
aacatcgata gatccgccgc caccgc 26

<210> 22
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 5

<400> 22
ggatcgatgt tgtgatgacc cag 23

<210> 23
<211> 31
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 6

<400> 23
gcgggtcgac cgacttacgt ttcagctcca g 31

<210> 24
<211> 29
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 7

<400> 24
gcggggtcgac gtgaagctgg tggagtctg 29

<210> 25
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 8

<400> 25
gggtgttgag ctagctgaag agacggtgac 30

<210> 26
<211> 24
<212> PRT
<213> Artificial sequence

<220>
<223> Linker 2

<400> 26

Leu Asp Pro Lys Ser Cys Glu Arg Ser His Ser Cys Pro Pro Cys Gly
1 5 10 15

Gly Gly Ser Gly Gly Gly Thr Ser
20

<210> 27
<211> 72
<212> DNA
<213> Artificial sequence

<220>
<223> Linker 2

<400> 27
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ggtggcacta gt 72

<210> 28
<211> 28
<212> DNA
<213> Artificial sequence

<220>

<223> Forward primer 9

<400> 28

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28

<210> 29

<211> 38

<212> DNA

<213> Artificial sequence

<220>

<223> Reverse primer 10

<400> 29

aggttctcgg ggctgccac tagtgccacc gccggacc

38

<210> 30

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> Forward primer 11

<400> 30

gggcagcccc gagaacaac

19

<210> 31

<211> 33

<212> DNA

<213> Artificial sequence

<220>

<223> Reverse primer 12

<400> 31

ggtggtctgc agtttaccg gggacaggga gag

33